

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
29 December 2004 (29.12.2004)

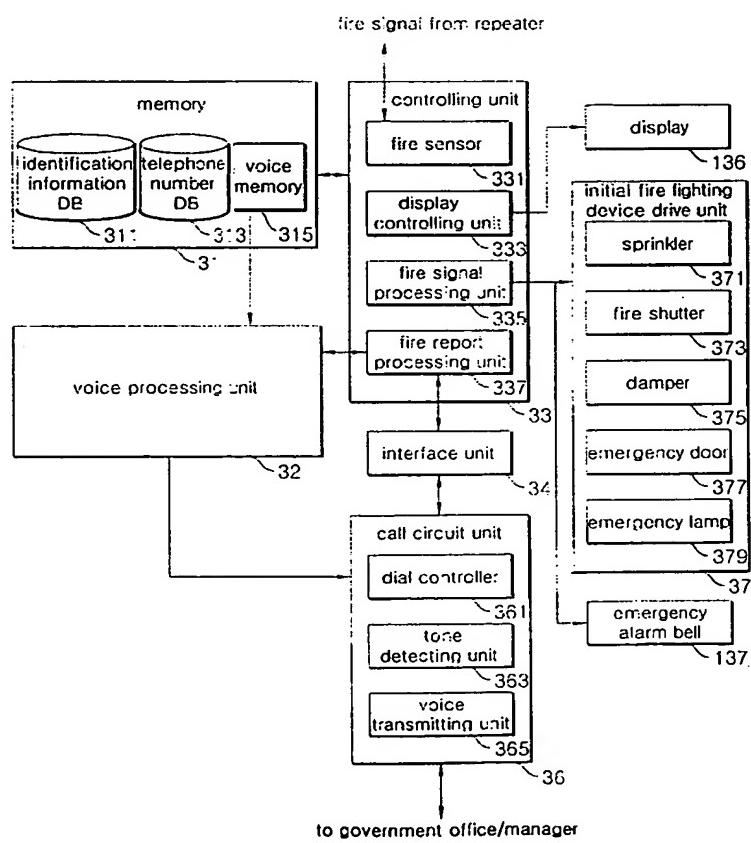
PCT

(10) International Publication Number
WO 2004/114244 A1

- (51) International Patent Classification²: G08B 17/00
- (21) International Application Number: PCT/KR2004/001559
- (22) International Filing Date: 25 June 2004 (25.06.2004)
- (25) Filing Language: Korean
- (26) Publication Language: English
- (30) Priority Data: 10-2003-0041744 25 June 2003 (25.06.2003) KR
- (71) Applicants and Inventors: YANG, Han-Gyu [KR/KR]; 527-1, Geumseong-Dong, Geumjeong-Gu, Busan 609-420 (KR). KIM, Jang-Seop [KR/KR]; 139-2403 LG Metrocity, 176-30 Yongho-Dong, Nan.-Gu, Busan 608-090 (KR).
- (74) Agent: L & K PATENT FIRM; 701, Daekun Bldg., 822-5, Yeoksam-Dong, Kangnam-Gu, Seoul 135-080 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

[Continued on next page]

(54) Title: DISASTER PREVENTING SYSTEM USING DIGITAL RADIO COMMUNICATION



(57) Abstract: A disaster prevention system using a wireless digital communication is disclosed. The object of the present invention is capable of outputting a fire alarm when a fire occurs, displaying a location of the fire, and also driving an initial fire fighting device installed at the location of the fire so that the fire can be rapidly suppressed while still in its initial stage. It is another object of the present invention to provide a disaster prevention system using wireless communication capable of providing convenience of construction and reducing construction costs. It is a further object of the present invention to provide a disaster prevention system using wireless communication capable of stably operating even if an external AC power source is not supplied thereto. It is yet another object of the present invention to provide a disaster prevention system using wireless communication capable of automatically and rapidly calling corresponding office and corresponding manager when a fire occurs.



Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.